Amendments to the Claims:

Claims 1-16 (canceled).

17. (Currently amended) A method for analysis comprising:

providing ~~the~~ an electrospray device having flow-contacting portions comprising an affinity chromatographic adsorbent ~~of claim 1~~; and

selectively immobilizing affinity ligands on the flow-contacting surface of the device.

18. (Original) The method of claim 17, wherein said affinity chromatographic adsorbent comprises an immobilized metal ion chelating ligand.

19. (Original) The method of claim 18, wherein said immobilized metal ion chelating ligand comprises iminodiacetic acid, nitrilo triacetic acid, or tris(carboxymethyl) ethylene diamine.

20. (Original) The method of claim 17, wherein said affinity chromatographic adsorbent comprises an immobilized ligand molecule comprising an organic compound, fatty acid, inhibitor, protein, peptide, enzyme, coenzyme, receptor, affinity tag, nucleic acid, antibody, biotin, avidin, carbohydrate, lectin, dye, or protein surface domain involved in molecular recognition.

21. (Original) The method of claim 20, wherein said immobilized ligand molecule comprises a potential drug candidate or a mixture with potential drug candidates from a combinatorial compound library, benzamidine, D-biotin, biotinylated molecules, Avidin, Protein A, antisense peptides, antisense Arg-vasopressin peptide, trypsin, adenosine 5'-monophosphate (5'-AMP), Interleukin-2 receptor, polyamino acids, polyhistidine, histidine, lysine, a fragment of calf thymus DNA, sheep anti-rabbit IgG, monosaccharide, monosaccharide derivative, concanavalin A, or Cibacron Blue F3G-A.

22. (Original) The method of claim 17, wherein said device further comprises a micro column in fluid communication with said flow-contacting portions and

having an affinity chromatographic adsorbent within said micro column, said method further comprising selectively immobilizing affinity ligands on the flow-contacting surface within said micro column.

23. (Original) The method of claim 22, wherein said affinity chromatographic adsorbent within said micro column comprises an immobilized metal ion chelating ligand.

24. (Original) The method of claim 23, wherein said immobilized metal ion chelating ligand comprises iminodiacetic acid, nitrilo triacetic acid, or tris(carboxymethyl) ethylene diamine.

25. (Original) The method of claim 22, wherein said affinity chromatographic adsorbent comprises an immobilized ligand molecule comprising an organic compound, fatty acid, inhibitor, protein, peptide, enzyme, coenzyme, receptor, affinity tag, nucleic acid, antibody, biotin, avidin, carbohydrate, lectin, dye, or protein surface domain involved in molecular recognition.

26. (Original) The method of claim 25, wherein said immobilized ligand molecule comprises a potential drug candidate or a mixture with potential drug candidates from a combinatorial compound library, benzamidine, D-biotin, biotinylated molecules, Avidin, Protein A, antisense peptides, antisense Arg-vasopressin peptide, trypsin, adenosine 5'-monophosphate (5'-AMP), Interleukin-2 receptor, polyamino acids, polyhistidine, histidine, lysine, a fragment of calf thymus DNA, sheep anti-rabbit IgG, monosaccharide, monosaccharide derivative, concanavalin A, or Cibacron Blue F3G-A.

Claims 27-38 (canceled).

39. (Currently amended) A method for analysis comprising:

providing ~~the~~ an electrospray device ~~of claim 27~~ comprising a monolithic silicon microchip having an array of multiple inlet reservoirs in fluid communication with a respective one of an array of multiple nozzles through a channel and a capillary tube in fluid

communication with an inlet reservoir, wherein at least one of the reservoir/channel and capillary tube contain at least one immobilized affinity chromatographic adsorbent;

selectively binding an analyte on said affinity chromatographic adsorbent by affinity capture;

optionally, performing chemical, enzymatic, or physical treatment of said immobilized analyte;

selectively desorbing said analyte;

electrospraying said desorbed analyte; and

passing said electrosprayed analyte to a detector.

40. (Original) The method of claim 39, wherein said affinity chromatographic adsorbent comprises an immobilized metal ion chelating ligand.

41. (Original) The method of claim 40, wherein said immobilized metal ion chelating ligand comprises iminodiacetic acid, nitrilo triacetic acid, or tris(carboxymethyl) ethylene diamine.

42. (Original) The method of claim 39, wherein said affinity chromatographic adsorbent comprises an immobilized ligand molecule comprising an organic compound, fatty acid, inhibitor, protein, peptide, enzyme, coenzyme, receptor, affinity tag, nucleic acid, antibody, biotin, avidin, carbohydrate, lectin, dye, or protein surface domain involved in molecular recognition.

43. (Original) The method of claim 42, wherein said immobilized ligand molecule comprises a potential drug candidate or a mixture with potential drug candidates from a combinatorial compound library, benzamidine, D-biotin, biotinylated molecules, Avidin, Protein A, antisense peptides, antisense Arg-vasopressin peptide, trypsin, adenosine 5'-monophosphate (5'-AMP), Interleukin-2 receptor, polyamino acids, polyhistidine, histidine, lysine, a fragment of calf thymus DNA, sheep anti-rabbit IgG, monosaccharide, monosaccharide derivative, concanavalin A, or Cibacron Blue F3G-A.

44. (Original) The method of claim 39, wherein said device comprises a micro column and has an affinity chromatographic adsorbent within said micro column, said method further comprises selectively binding an analyte on said affinity chromatographic adsorbent within said micro column by affinity capture.

45. (Original) The method of claim 39, further comprising performing multiple analyses of one or more analytes, including at least one of affinity binding, chemical, enzymatic, and physical modifications of the analytes.

46. (Original) The method of claim 39, wherein said affinity binding, chemical, enzymatic, or physical modification, and elution of the analytes is carried out in a two-dimensional mode.

47. (Original) The method of claim 39, wherein said detector is a mass spectrometer.

Claims 48-55 (canceled).